



the Bioeconomy

*Opening opportunities in
Iowa's bioeconomy, where
our society looks to agriculture
for renewable sources of
fuel, energy, chemicals, and
materials.*



Our doors are open.

IOWA STATE UNIVERSITY Bioeconomy Institute

To explore what BEI and Iowa State can do
for your organization, please contact:

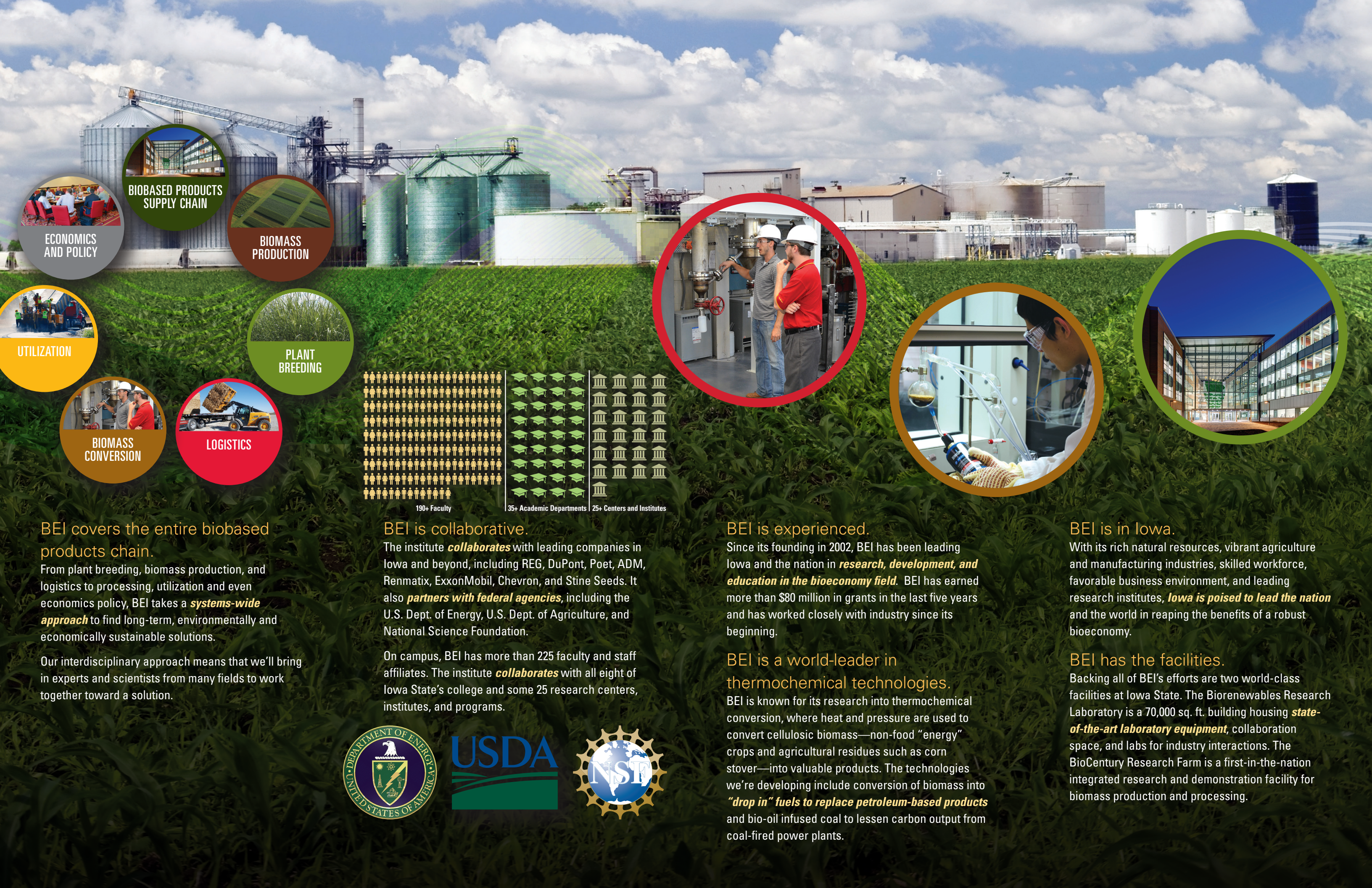
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IOWA STATE UNIVERSITY
Bioeconomy Institute



Opening Doors to



ECONOMICS
AND POLICY



BIOBASED PRODUCTS
SUPPLY CHAIN



BIOMASS
PRODUCTION



UTILIZATION



PLANT
BREEDING



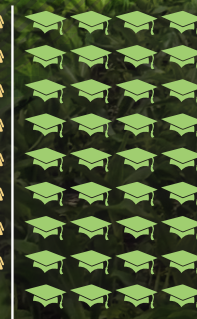
BIOMASS
CONVERSION



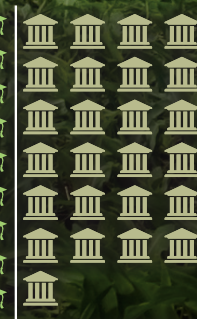
LOGISTICS



190+ Faculty



35+ Academic Departments



25+ Centers and Institutes

BEI covers the entire biobased products chain.

From plant breeding, biomass production, and logistics to processing, utilization and even economics policy, BEI takes a **systems-wide approach** to find long-term, environmentally and economically sustainable solutions.

Our interdisciplinary approach means that we'll bring in experts and scientists from many fields to work together toward a solution.

BEI is collaborative.

The institute **collaborates** with leading companies in Iowa and beyond, including REG, DuPont, Poet, ADM, Renmatix, ExxonMobil, Chevron, and Stine Seeds. It also **partners with federal agencies**, including the U.S. Dept. of Energy, U.S. Dept. of Agriculture, and National Science Foundation.

On campus, BEI has more than 225 faculty and staff affiliates. The institute **collaborates** with all eight of Iowa State's college and some 25 research centers, institutes, and programs.

BEI is experienced.

Since its founding in 2002, BEI has been leading Iowa and the nation in **research, development, and education in the bioeconomy field**. BEI has earned more than \$80 million in grants in the last five years and has worked closely with industry since its beginning.

BEI is a world-leader in thermochemical technologies.

BEI is known for its research into thermochemical conversion, where heat and pressure are used to convert cellulosic biomass—non-food “energy” crops and agricultural residues such as corn stover—into valuable products. The technologies we're developing include conversion of biomass into **“drop in” fuels to replace petroleum-based products** and bio-oil infused coal to lessen carbon output from coal-fired power plants.

BEI is in Iowa.

With its rich natural resources, vibrant agriculture and manufacturing industries, skilled workforce, favorable business environment, and leading research institutes, **Iowa is poised to lead the nation** and the world in reaping the benefits of a robust bioeconomy.

BEI has the facilities.

Backing all of BEI's efforts are two world-class facilities at Iowa State. The Biorenewables Research Laboratory is a 70,000 sq. ft. building housing **state-of-the-art laboratory equipment**, collaboration space, and labs for industry interactions. The BioCentury Research Farm is a first-in-the-nation integrated research and demonstration facility for biomass production and processing.

